

## Electronic Patent Application Fee Transmittal

<b>Application Number:</b>	10500786			
<b>Filing Date:</b>	02-Jul-2004			
<b>Title of Invention:</b>	PULSE TUBE COOLING BY CIRCULATION OF BUFFER GAS			
<b>First Named Inventor/Applicant Name:</b>	Ralph C. Longworth			
<b>Filer:</b>	Linda Chan/James Dade			
<b>Attorney Docket Number:</b>	SHI 19.251 (310010-00106)			
Filed as Large Entity				
<b>U.S. National Stage under 35 USC 371 Filing Fees</b>				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Basic Filing:</b>				
<b>Pages:</b>				
<b>Claims:</b>				
<b>Miscellaneous-Filing:</b>				
<b>Petition:</b>				
<b>Patent-Appeals-and-Interference:</b>				
Post-Allowance-and-Post-Issuance:				
Utility Appt Issue fee	1501	1	1440	1440
Publ. Fee- early, voluntary, or normal	1504	1	300	300

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1740